CIVIL ENGINEERING, B.S. (ENGINEERING)

Begin Campus: Any Penn State Campus

End Campus: University Park

Suggested Academic Plan

The suggested academic plans listed on this page are the plans that are in effect during the 2022-23 academic year. To access previous years’ suggested academic plans, please visit the archive (https://bulletins.psu.edu/undergraduate/archive/) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

Civil Engineering, B.S. at University Park Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an archived or active plan). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

If you are starting at a campus other than the one this plan is ending at, please refer to: http://advising.engr.psu.edu/degree-requirements/academic-plans-by-major.aspx

First Year

<table>
<thead>
<tr>
<th>Credits Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>CE 100S (or other First Year Seminar)*</td>
<td>1 CHEM 111</td>
</tr>
<tr>
<td>CHEM 110 (GN)*</td>
<td>3 ECON 102 or 104 (GS)†</td>
</tr>
<tr>
<td>ENGL 15, 30H, or ESL 15 (GWS)†</td>
<td>3 MATH 141 or 141E (GQ)‡†</td>
</tr>
<tr>
<td>EDSGN 100*</td>
<td>3 PHYS 211 (PHYS 211L and PHYS 211R (GN))‡†</td>
</tr>
<tr>
<td>MATH 140 or 140E (GQ)‡†</td>
<td>4 General Education Course†</td>
</tr>
<tr>
<td>General Education Course†</td>
<td>3 General Education Course (GHW)†</td>
</tr>
<tr>
<td><strong>Total Credits 17</strong></td>
<td><strong>Total Credits 16.5</strong></td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Credits Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>CAS 100A or 100B (GWS)‡†</td>
<td>3 CMPSC 200 or 201</td>
</tr>
<tr>
<td>EMCH 211*</td>
<td>3 EMCH 212*</td>
</tr>
<tr>
<td>GEOC 1</td>
<td>3 EMCH 213 or 213D*</td>
</tr>
<tr>
<td>MATH 251*</td>
<td>4 IE 424 or STAT 401</td>
</tr>
<tr>
<td>PHYS 212 (PHYS 212L and PHYS 212R (GN))‡†</td>
<td>4 MATH 220</td>
</tr>
<tr>
<td>General Education Course†</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits 17</strong></td>
<td><strong>Total Credits 17</strong></td>
</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Credits Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>CE 310*</td>
<td>3 CE 321†</td>
</tr>
<tr>
<td>CE 332*</td>
<td>3 CE 335*</td>
</tr>
</tbody>
</table>

Fourth Year

<table>
<thead>
<tr>
<th>Credits Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>ENGL 202C (GWS)‡†</td>
<td>3 Civil Engineering Capstone</td>
</tr>
<tr>
<td>Civil Engineering Elective</td>
<td>3 Civil Engineering Elective</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3 Technical Elective</td>
</tr>
<tr>
<td>General Education Course†</td>
<td>3 General Education Course†</td>
</tr>
<tr>
<td><strong>Total Credits 15</strong></td>
<td><strong>Total Credits 15</strong></td>
</tr>
</tbody>
</table>

Total Credits 127

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
‡ Course is an Entrance to Major requirement
‡† Course satisfies General Education and degree requirement

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and replace both ENGL 30H and CAS 100. Each course is 3 credits.

College Notes:

- **CE Elective**: CE Electives must be selected from two of these specific technical areas in the program: Structures (X40); Water Resources Engineering (X60); Environmental Engineering (X70).
- **Health and Physical Activity Elective**: Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement and 3 ROTC credits for ME 201.
- **Technical Elective**: Select from department list. Students who complete the Cooperative Education Program may substitute the 3-credit sequence of ENGR 295, ENGR 395, and ENGR 495 for a Technical Elective.
** If a student is pursuing the Structural sub-discipline in Civil Engineering, if CE 340 is not taken in the 5th semester it may delay graduation.